

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

1. (Currently Amended) A system for monitoring performance of one or more processes ~~methods~~ and one or more database calls each associated with a particular one of the processes ~~at least one method~~, comprising:

an application server comprising one or more applications, each application comprising one or more processes ~~methods~~ operable to generate one or more database calls;

an analyzer component operable to:

correlate a first database call and a second database call generated by one of the processes ~~a method~~ with the particular process ~~method~~ that generated the database call;

monitor one or more parameters associated with the first database call;

monitor one or more parameters associated with the second database call;

analyze the one or more parameters of the first database call and the second database call ~~monitor one or more parameters associated with the database call;~~ and

display to a client:

a first identifier of the first database call;

a second identifier of the process ~~method~~ that generated the first database call;

and

one or more of the one or more parameters associated with the first database call.

2. (Currently Amended) The system of Claim 1, wherein the analyzer component is further operable to:

identify ~~receive~~ one or more of the first parameters included in ~~associated with~~ the first database call;

identify ~~receive~~ one or more process ~~second~~ parameters associated with the particular ~~process~~ a method; and

determine whether the database call correlates with the process ~~method~~ by comparing at least one of the first parameters associated with the first database call to at least one corresponding process ~~second~~ parameter associated with the process ~~method~~ to determine if the process ~~method~~ generated the first database call.

3. (Currently Amended) The system of Claim 2, further comprising an interceptor component operable to:

intercept the first ~~[[a]]~~ database call generated by the process ~~a method~~; and

communicate the one or more ~~first~~ parameters associated with the first database call to the analyzer component.

4. (Currently Amended) The system of Claim 2, further comprising an insider component operable to:

intercept the particular process ~~method~~; and

communicate the one or more process ~~second~~ parameters associated with the process ~~method~~ to the analyzer component.

5. (Currently Amended) The system of Claim 4, wherein each of the one or more processes ~~methods~~ comprises a Java method and the insider component is operable to communicate process ~~second~~ parameters for each Java method in a Java method call tree to the analyzer component.

6. (Currently Amended) The system of Claim 2, wherein the one or more database calls comprise SQL calls and, for a particular SQL call, the one or more ~~first~~ parameters associated with the particular SQL call comprise:

- a SQL statement of the particular SQL call;
- a SQL execution time for the particular SQL call;
- one or more SQL exceptions of the particular SQL call; and
- a timestamp and a thread of execution for the particular SQL call.

7. (Currently Amended) The system of Claim 6, wherein, for a particular process ~~method~~, the one or more process ~~second~~ parameters associated with the particular process ~~method~~ comprise a timestamp and a thread of execution for the particular process ~~method~~.

8. (Currently Amended) The system of Claim 7, wherein the analyzer component is further operable to:

compare the timestamp and the thread of execution for the SQL call to a corresponding timestamp and the thread of execution for the process ~~method~~ to determine whether ~~the method~~ ~~correlates to the SQL call in that~~ the process ~~method~~ generated the SQL call; and

if the timestamp and the thread of execution for the SQL call matches the corresponding timestamp and the thread of execution for the process ~~method~~, conclude that the method generated the SQL call.

9. (Currently Amended) The system of Claim 2, wherein the analyzer component substantially continuously receives ~~first~~ parameters associated with database calls and ~~second~~ parameters associated with processes ~~methods~~, the analyzer operable to substantially continuously determine for each received database call ~~the method~~ the process ~~method~~ that generated the received database call such that the analyzer component displays first identifiers of database calls and second identifiers of the processes ~~methods~~ that generated the database calls to the client in substantially real time.

10. (Currently Amended) The system of Claim 1, wherein the analyzer component is further operable to:

collect the one or more parameters from the first and second database calls; and
display an alert notification to the client if one of the ~~one or more~~ parameters associated with the first or second database calls exceeds a predetermined threshold value.

11. (Currently Amended) The system of Claim 1, wherein the analyzer component is further operable to display a management console to the client on a browser associated with the client, the management console presenting a view of the displayed information. comprising:

~~a second identifier of a method;~~
~~one or more first identifiers of database calls, each first identifier associated with the at least one method identifier, the management console indicating which database calls were generated by the method associated with the second identifier; and~~
~~at least one of the one or more parameters associated with database call.~~

12. (Currently Amended) The system of Claim 11, wherein the management console is operable to:

display multiple second identifiers of processes ~~methods~~ as a method call tree; and
for a selected second identifier of a process ~~method~~ in the method call tree, display:
a first identifier of a database call for each database call determined by the analyzer component to correlate to the particular process ~~method~~ associated with the selected second identifier; and
at least one of the ~~one or more~~ parameters for each database call determined to correlate to the process ~~method~~ associated with the selected second identifier.

13. (Currently Amended) A method for monitoring performance of one or more ~~processes methods~~ and one or more database calls each associated with a particular one of the processes ~~at least one method~~, comprising:

correlating a first database call ~~and a second database call~~ generated by one of the processes ~~a method~~ with the particular process method that generated the database call;

monitoring one or more parameters associated with the first database call;

monitoring one or more parameters associated with the second database call;

analyzing the one or more parameters of the first database call and the second database call ~~monitor one or more parameters associated with the database call;~~ and

displaying to a client:

a first identifier of the first database call;

a second identifier of the process method that generated the first database call;

and

one or more of the one or more parameters associated with the first database call.

14. (Currently Amended) The method of Claim 13, further comprising:

identifying ~~receiving~~ one or more of the first parameters included in ~~associated with the first database call;~~

identifying ~~receiving~~ one or more process second parameters associated with a process method;

determining whether the database call correlates with the process method by comparing at least one of the first parameters associated with the first database call to at least one corresponding process second parameter associated with the process method to determine if the process method generated the first database call.

15. (Currently Amended) The method of Claim 14, further comprising identifying ~~receiving~~ the one or more of the first parameters included in ~~associated with the first database call~~ from an interceptor that intercepted the first database call generated by the process a method.

16. (Currently Amended) The method of Claim 14, further comprising identifying ~~receiving~~ the one or more process ~~second~~ parameters associated with the particular process ~~method~~ from an insider component that intercepted the process ~~method~~.

17. (Currently Amended) The method of Claim 16, wherein each of the one or more processes ~~methods~~ comprises a Java method; the method further comprising receiving process ~~second~~ parameters for each Java method in a Java method call tree from the insider component.

18. (Currently Amended) The method of Claim 14, wherein the one or more database calls comprise SQL calls and, for a particular SQL call, the one or more ~~first~~ parameters associated with the particular SQL call comprise:

- a SQL statement of the particular SQL call;
- a SQL execution time for the particular SQL call;
- one or more SQL exceptions of the particular SQL call; and
- a timestamp and a thread of execution for the particular SQL call.

19. (Currently Amended) The method of Claim 18, wherein, for a particular process ~~method~~, the one or more process ~~second~~ parameters associated with the particular process ~~method~~ comprise a timestamp and a thread of execution for the particular process ~~method~~.

20. (Currently Amended) The method of Claim 19, further comprising:
comparing the timestamp and the thread of execution for the SQL call to a corresponding timestamp and the thread of execution for the process ~~method~~ to determine whether ~~the method~~ correlates to the SQL call in that the process method generated the SQL call; and

if the timestamp and the thread of execution for the SQL call matches the corresponding timestamp and the thread of execution for the process ~~method~~, concluding that the process ~~method~~ generated the SQL call.

21. (Currently Amended) The method of Claim 14, comprising:
substantially continuously receiving ~~first~~ parameters associated with database calls and
~~second~~ parameters associated with processes ~~methods~~;
substantially continuously determining for each received database call the process
~~method~~ ~~the method~~ that generated the received database call such that first identifiers of database
calls and second identifiers of the processes ~~methods~~ that generated the database calls are
displayed to the client in substantially real time.

22. (Currently Amended) The method of Claim 13, further comprising:
collecting the one or more parameters from the first and second database calls; and
displaying an alert notification to the client if one of the ~~one or more~~ parameters
associated with the first or second database calls exceeds a predetermined threshold value.

23. (Currently Amended) The method of Claim 13, further comprising displaying a
management console to the client on a browser associated with the client, the management
console presenting a view of the displayed information. comprising:
~~a second identifier of a method;~~
~~one or more first identifiers of database calls, each first identifier associated with the at~~
~~least one method identifier, the management console indicating which database calls were~~
~~generated by the method associated with the second identifier; and~~
~~at least one of the one or more parameters associated with database call.~~

24. (Currently Amended) The method of Claim 23, further comprising:
displaying multiple second identifiers of processes ~~methods~~ as a process ~~method~~ call tree;
and
for a selected second identifier of a method in the process ~~method~~ call tree, displaying:
a first identifier of a database call for each database call determined by the
analyzer component to correlate to the particular process ~~method~~ associated with the selected
second identifier; and
at least one of the ~~one or more~~ parameters for each database call determined to
correlate to the process ~~method~~ associated with the selected second identifier.

25. (Currently Amended) Software for monitoring performance of one or more ~~processes methods~~ and one or more database calls each associated with a particular one of the processes ~~at least one method~~, the software embodied in computer-readable media and when executed operable to:

correlate a first database call and a second database call generated by one of the processes ~~a method~~ with the particular process method that generated the database call;

monitor one or more parameters associated with the first database call;

monitor one or more parameters associated with the second database call;

analyze the one or more parameters of the first database call and the second database call

~~monitor one or more parameters associated with the database call;~~ and

display to a client:

a first identifier of the first database call;

a second identifier of the process method that generated the first database call;

and

one or more of the one or more parameters associated with the first database call.

26. (Currently Amended) The software of Claim 25, further operable to:

~~identify receive~~ one or more of the first parameters included in ~~associated with the first~~ database call;

~~identify receive~~ one or more process second parameters associated with the particular process a method;

determine whether the database call correlates with the process method by comparing at least one of the first parameters associated with the first database call to at least one corresponding process second parameter associated with the process method to determine if the process method generated the first database call.

27. (Currently Amended) The software of Claim 26, further operable to receive the one or more first parameters associated with the first database call from an interceptor that intercepted the first database call generated by the process a method.

28. (Currently Amended) The software of Claim 26, further operable to receive the one or more second parameters associated with the process method from an insider component that intercepted the process method.

29. (Currently Amended) The software of Claim 28, wherein each of the one or more processes methods comprises a Java method; the method further ~~comprising~~ operable to receive receiving process second parameters for each Java method in a Java method call tree from the insider component.

30. (Currently Amended) The software of Claim 26, wherein the one or more database calls comprise SQL calls and, for a particular SQL call, the one or more ~~first~~ parameters associated with the particular SQL call comprise:

- a SQL statement of the particular SQL call;
- a SQL execution time for the particular SQL call;
- one or more SQL exceptions of the particular SQL call; and
- a timestamp and a thread of execution for the particular SQL call.

31. (Currently Amended) The software of Claim 30, wherein, for a particular process method, the one or more processes second parameters associated with the particular process method comprise a timestamp and a thread of execution for the particular process method.

32. (Currently Amended) The software of Claim 31, further operable to:
compare the timestamp and the thread of execution for the SQL call to a corresponding timestamp and the thread of execution for the process method to determine whether ~~the method~~ correlates to the SQL call in that the process method generated the SQL call; and

if the timestamp and the thread of execution for the SQL call matches the corresponding timestamp and the thread of execution for the process method, conclude that the process method generated the SQL call.

33. (Currently Amended) The software of Claim 26, operable to:
substantially continuously receive ~~first~~ parameters associated with database calls and
~~second~~ parameters associated with processes methods;
substantially continuously determine for each received database call the process method
~~the method~~ that generated the received database call such that first identifiers of database calls
and second identifiers of the processes methods that generated the database calls are displayed to
the client in substantially real time.

34. (Currently Amended) The software of Claim 25, further operable to:
collect the one or more parameters from the first and the second database calls; and
display an alert notification to the client if one of the ~~one or more~~ parameters associated
with the first or second database calls exceeds a predetermined threshold value.

35. (Currently Amended) The software of Claim 25, further operable to display a management console to the client on a browser associated with the client, the management console presenting a view of the displayed information. ~~comprising:~~

~~a second identifier of the method;~~

~~one or more first identifiers of database calls, each first identifier associated with the at least one method identifier, the management console indicating which database calls were generated by the method associated with the second identifier; and~~

~~at least one of the one or more parameters associated with database call.~~

36. (Currently Amended) The software of Claim 35, further operable to:
display multiple second identifiers of processes ~~methods~~ as a method call tree; and
for a selected second identifier of a process ~~method~~ in the method call tree, display:

a first identifier of a database call for each database call determined by the analyzer component to correlate to the particular process ~~method~~ associated with the selected second identifier; and

at least one of the ~~one or more~~ parameters for each database call determined to correlate to the process ~~method~~ associated with the selected second identifier.

37. (Currently Amended) A system for monitoring performance of one or more processes ~~methods~~ and one or more database calls each associated with a particular one of the processes ~~at least one method~~, comprising:

means for correlating a first database call and a second database call generated by one of the processes ~~a method~~ with the particular process ~~method~~ that generated the database call;

means for monitoring one or more parameters associated with the first database call;

means for monitoring one or more parameters associated with the second database call;

means for analyzing the one or more parameters of the first database call and the second database call ~~monitor one or more parameters associated with the database call;~~ and

means for displaying ~~display~~ to a client:

a first identifier of the first database call;

a second identifier of the process ~~method~~ that generated the first database call;

and

one or more of the one or more parameters associated with the first database call.

38. (Currently Amended) A system for monitoring performance of one or more methods and one or more database calls each associated with at least one method, comprising:

an application server comprising one or more applications, each application comprising one or more object-oriented methods operable to generate one or more database calls to one or more databases associated with the application server;

an analyzer component operable to:

receive one or more first parameters associated with a database call;

receive one or more second parameters associated with one of the object-oriented methods ~~a method~~;

determine whether the database call correlates with the particular method by comparing at least one of the first parameters associated with the database call to at least one corresponding second parameter associated with the object-oriented method to determine if the method generated the database call; and

if it is determined that the object-oriented method generated the database call, communicate a notification to a client associated with the system.